**Homework 26H Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Determine Quad. Equation Given Solution Set Period:\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   
Failure to show work and write in complete sentences on all problems will result in a LaSalle.**

Name the quadratic equation given the solution set.

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| 1. {–8, 5} | 2. {–3, 3} | 3. {–5, –9} |
| 4. {1, 4} | 5. {2, 10} | 6. {–3, 2} |
| 7. Which of the following is the quadratic equation with solutions x = 12 and x = –1?   1. x2 – 11x + 12 2. x2 + 13x – 12 3. x2 – 13x + 12 4. x2 – 11x – 12 5. x2 – 13x – 12 | 8. What quadratic equation has a solution set of x = 8 and x = –9? | 9. Which of the following quadratic equations have a solution set of x = {6, 7}?   1. x2 – x – 42 2. x2 – x + 42 3. x2 – 13x – 42 4. x2 + 13x + 42 5. x2 – 13x + 42 |
| **CHALLENGE**  10. Which of the following does NOT have a solution of x = 9?   1. x2 – 10x + 9 2. x2 – 6x – 27 3. x2 – 81 4. x2 + 9x + 18 5. x2 – 7x – 18 | **CHALLENGE**  11. x = –4 is the ONLY solution to which of the following quadratic equations?   1. x2 – 16 2. x2 – 8x + 12 3. x2 – 8x + 16 4. x2 + 8x + 16 5. Cannot be determined | **CHALLENGE**  12. What quadratic equation has a solution of x = 5? |

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| 11) Find the slope of the line below: | 12) Find the slope of the line that passes through the points below: |
| 13) Write the slope-intercept form of the equation of the line through the given point with the given slope. | 14) Write the slope-intercept form of the equation of the line described. |
| 15) If the circumference of a circle is 50.3 km, what is the area of the circle? | 16) Find the area of the triangle below: |
| 17) Find the measure of angle A: | 18) Solve for x: |
| 19) Find the indicated angle measure below: | 20) Find the indicated angle measure below: |